

## CD1D | Validation File

**TARGET** CD1D (Antigen-presenting glycoprotein CD1d)

**CLONE NAME** SNOW606A

**DESCRIPTION** Rat monoclonal

**ANTIGEN USED** RBL1-CD1D transfected cells, last boost with CD1D-HIS protein

**ISOTYPE** IgG2a

**SPECIES REACTIVITY** human

**LOCALIZATION** membrane

**POSITIVE CONTROL** tonsil

**STORAGE BUFFER** Tissue culture supernatant: 0.02% sodium azide

Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

**STORAGE** Aliquot and store at 4C. Do not freeze



Recommended



Inconclusive



Not Recommended



Not Tested

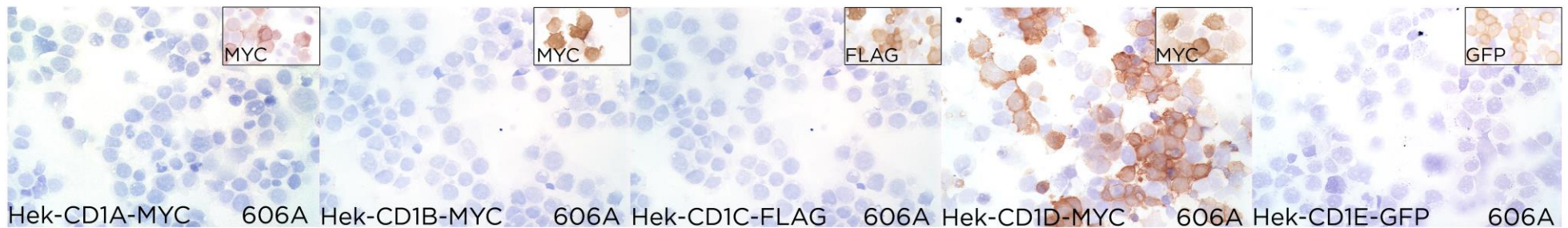
# APPLICATIONS

## ● | ICC | *Immunocytochemistry*

SNOW606A is able to detect human CD1D protein in immunocytochemistry

**DILUTION** Neat supernatant

To confirm that SNOW606A mAb recognizes human CD1D protein, immunocytochemistry on frozen cytospin preparations of CD1A, CD1B, CD1C, CD1D and CD1E expressed in HEK293 cell line was performed. Anti MYC, GFP and anti-FLAG antibodies were used as positive control.



● | WB | **Western Blotting**

SNOW606A mAb is able to detect human CD1D protein by WB.

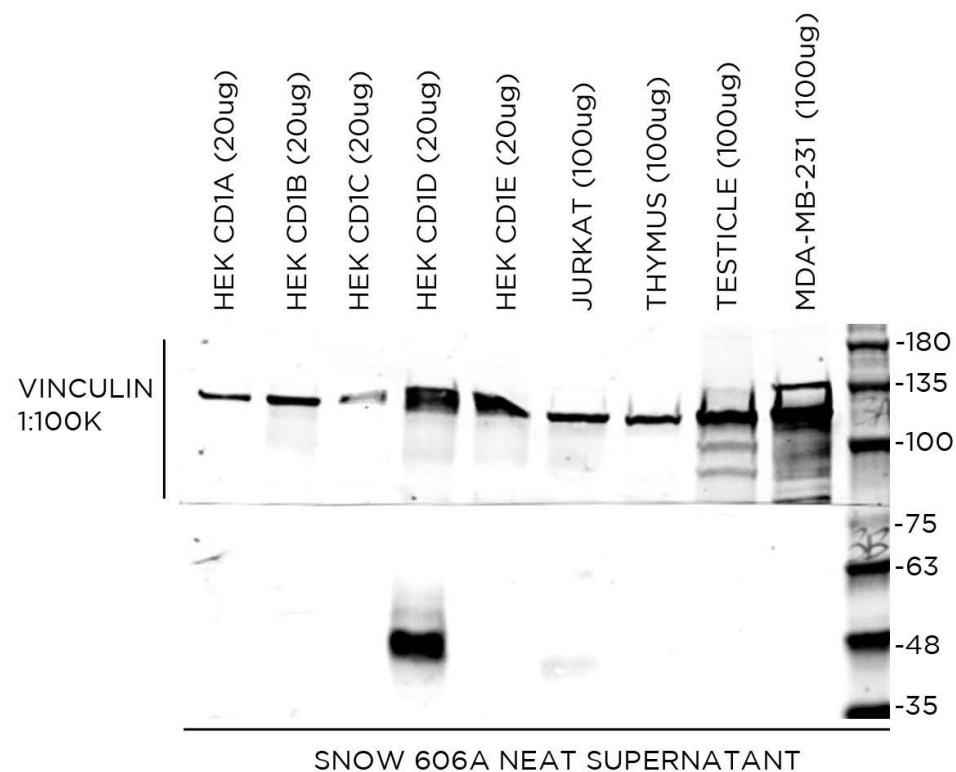
**DILUTION** SNOW606A NO DILUTION (neat supernatant)

Predicted molecular weight: **38kDa**  
Observed molecular weight: **38kDa**

**LANES**

Lane 1	HEK-CD1A-MYC	(20ug)	(-)
Lane 2	HEK-CD1B-MYC	(20ug)	(-)
Lane 3	HEK-CD1C-FLAG	(20ug)	(-)
Lane 4	HEK-CD1D-MYC	(20ug)	(+)
Lane 5	HEK-CD1E-GFP	(20ug)	(-)
Lane 6	Jurkat cell line	(100ug)	(+)
Lane 7	Thymus	(100ug)	(-)
Lane 8	Testicle	(100ug)	(-)
Lane 9	MDA-MB-231	(100ug)	(-)

Vinculin was used as loading control



● | IHC-P | **Immunohistochemistry (paraffin)**

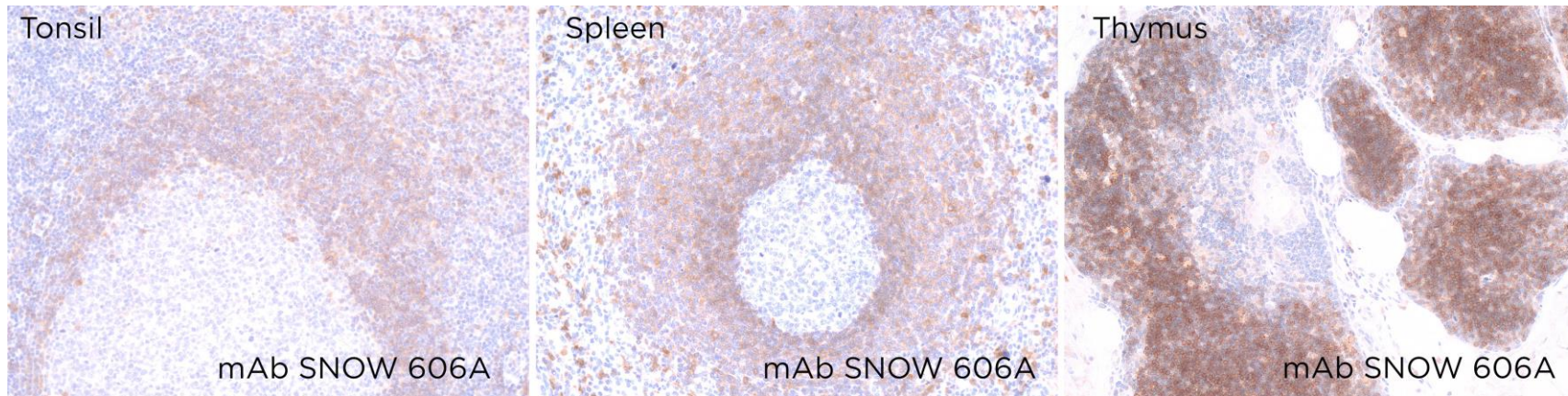
SNOW606A mAb can be used to detect CD1D protein in human paraffin tissues

**TISSUE SAMPLE** Tonsil, spleen and thymus

**DILUTION** neat supernatant or 1:20 purified antibody

**ANT. RETRIEVAL** 30 minutes ER2 (Tris-EDTA)

**DETECTION SYSTEM** Novolink kit (BondMax Leica)



● | IF | **Immunofluorescence (paraffin)** Not tested

● | IHC-F | **Immunohistochemistry (frozen)** Not working

● | FC | **Flow Cytometry** Not working

● | IP | **Immunoprecipitation** Not Tested